

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040170 A3(51) International Patent Classification⁷: C07D 487/04,
A61K 31/551, A61P 31/00(21) International Application Number:
PCT/US2004/035050

(22) International Filing Date: 22 October 2004 (22.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/513,751 22 October 2003 (22.10.2003) US(71) Applicants (for all designated States except US):
GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by **THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; Office of Technology Transfer, 6011 Executive Boulevard, Suite 325, Rockville, MD 20852 (US). **SPIROGEN, LTD.** [GB/GB]; 29-39 Brunswick Square, London WC1N 1AX (GB). **STARKS ASSOCIATES, INC.** [US/US]; 1280 Niagara Street, Buffalo, NY 14213 (US). **MIDWEST RESEARCH INSTITUTE** [US/US]; 425 Volker Boulevard, Kansas City, MO 64110 (US).

(72) Inventors; and

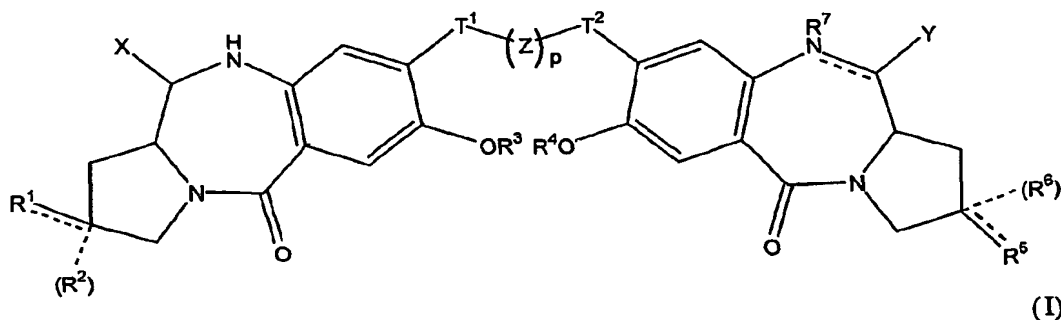
(75) Inventors/Applicants (for US only): **VISHNUVAJ-JALA, B., Rao** [US/US]; 1130 Betts Trail Way, Rockville, MD 20854 (US). **LIU, Paul, S.** [US/US]; 4302 RosemarySt., Chevy Chase, MD 20815 (US). **SNADER, Kenneth, M.** [US/US]; 1346 34th Avenue, Vero Beach, FL 32960 (US). **THURSTON, David** [GB/GB]; 4 Severn Close, Downend, Fareham, Hampshire PO16 8QT (GB). **HOWARD, Philip, W.** [GB/GB]; 3 Westbourne Mews, The Makings, St Albans AL1 1LS (GB). **HSIAO, Luke, Y.** [US/US]; 112 Randwood Dr., Getzville, NY 14068 (US). **TURNER, Gregory** [US/US]; 16301 Crackerneck Road, Independence, MO 64055 (US).(74) Agent: **PILLAI, Xavier**; Leydig, Voit & Mayer, Ltd., Two Prudential Plaza, Suite 4900, 180 N. Stetson Avenue, Chicago, IL 60601-6780 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: PYRROLOBENZODIAZEPINE DERIVATIVES, COMPOSITIONS COMPRISING THE SAME AND METHODS RELATED THERETO

(57) Abstract: Disclosed are compounds of Formula (I) wherein X, Y, R₁-R₇, T¹, T², Z, and p are as described herein; a pharmaceutical composition comprising a compound of Formula (I) and a carrier; a method of inhibiting growth of a cell, which method comprises administering in an amount effective to inhibit growth a compound of Formula (I); a method of treating cancer in a mammal, which method comprises administering in an amount effective to treat cancer a compound of Formula (I); a method of treating a viral, parasitic, or bacterial infection of a cell, which method comprises administering in an amount effective to treat a viral, parasitic, or bacterial infection a compound of Formula (I); and a method of preparing a compound of Formula (I) as described herein.



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(48) Date of publication of this corrected version:

11 May 2006

Published
— with international search report

(15) Information about Correction:

see PCT Gazette No. 19/2006 of 11 May 2006

(88) Date of publication of the international search report:
30 June 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.